

*Presented below are water quality standards that are in effect for Clean Water Act purposes.*

*EPA is posting these standards as a convenience to users and has made a reasonable effort to assure their accuracy. Additionally, EPA has made a reasonable effort to identify parts of the standards that are not approved, disapproved, or are otherwise not in effect for Clean Water Act purposes.*

## Appendix A Conversion Factors for Metals Criteria

The following conversion factors are to be multiplied by total recoverable criteria to obtain dissolved fraction criteria. Dissolved metals are those which will pass through a 0.45 micron filter, immediately following sample collection and before preservation.

Metal:	Arsenic	Cadmium	Chromium (III)	Chromium (VI)	Copper
<b>Acute Criterion Factor</b>	1.000	1.136672-[(ln hardness) (0.041838)]	0.316	0.982	0.960
<b>Chronic Criterion Factor</b>	1.000	1.101672-[(ln hardness) (0.041838)]	0.860	0.962	0.960

Metal:	Lead	Mercury	Nickel	Selenium
<b>Acute Criterion Factor</b>	1.46203-[(ln hardness) (0.145712)]	0.85	0.998	0.922
<b>Chronic Criterion Factor</b>	1.46203-[(ln hardness) (0.145712)]	0.85	0.997	0.922

Metal:	Silver	Zinc
<b>Acute Criterion Factor</b>	0.85	0.978
<b>Chronic Criterion Factor</b>	Not available	0.986

Conversion factors from Nationally Recommended Water Quality Criteria for Priority Toxic Pollutants, U.S. EPA, 1999, Appendix A.